

WEST Search History

DATE: Wednesday, August 06, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
L16	l2 and l9 and L15	5	L16
L15	((106/1.18 106/1.23 106/1.26)!.CCLS.)	830	L15
L14	l2 and l9 and L13	2	L14
L13	((205/266 205/267 205/268)!.CCLS.)	277	L13
L12	l2 and l9 and L11	11	L12
L11	((502/\$)!.CCLS.)	48002	L11
L10	l8 and L9	9	L10
L9	cysteine or cysteinate	34159	L9
L8	l2 and L7	301	L8
L7	((556/110 556/116)!.CCLS.)	513	L7
L6	l4 and L5	4	L6
L5	((423/\$)!.CCLS.)	84074	L5
L4	l3 same bath	260	L4
L3	l1 same L2	1323	L3
L2	gold or au	4786486	L2
<i>DB=DWPI,USPT,EPAB,JPAB,TDBD; PLUR=YES; OP=ADJ</i>			
L1	electrodeposition or electro-deposition or electro same deposition	29734	L1

END OF SEARCH HISTORY

=> d ibib abs hitstr 1-6

L13 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:745494 CAPLUS

DOCUMENT NUMBER: 136:41706

TITLE: A novel nano-Au-assembled gas sensor for atmospheric oxygen determination

AUTHOR(S): Li, Hui; Wen, Jingxia; Cai, Qi; Wang, Xiaoli; Xu, Jiming; Jin, Litong

CORPORATE SOURCE: Department of Chemistry, East China Normal University, Shanghai, 200062, Peop. Rep. China

SOURCE: Analyst (Cambridge, United Kingdom) (2001), 126(10), 1747-1750

CODEN: ANALAO; ISSN: 0003-2654

PUBLISHER: Royal Society of Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A novel nano-Au-assembled gas sensor was fabricated and 1st used to det. atm. oxygen. The special characteristics of nano-Au resulted in a high catalytic activity for the redn. of oxygen. On detg. 20.9% oxygen by cyclic voltammetry, on a nano-Au-assembled Pt disk electrode the overpotential decreased greatly and the redn. current of oxygen increased to .apprx.4.4 times that on a bare gas sensor. For the detn. of atm. oxygen by using this novel nano-Au-assembled gas sensor with the amperometric i-t curve method, the linear range was 0.4-30.0%, the linear equation was $y = 1.11x - 0.63$ with a correlation coeff. of 0.9931, the sensitivity was 1.11 .times. 10^{-7} A cm⁻² per 1% vol./vol., the detection limit was 0.2%, the response time was .apprx.12 s and the relative std. deviation was 2.9% on detg. the background value of atm. oxygen. Also the nano-Au-assembled gas sensor had good reproducibility and stability. These results demonstrated that this sensor for the detn. of atm. oxygen was fast, sensitive, accurate and convenient.

IT 52-90-4, Cysteine, uses

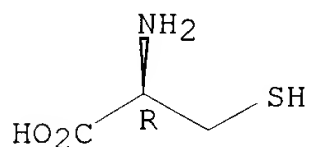
RL: ARG (Analytical reagent use); DEV (Device component use); ANST (Analytical study); USES (Uses)

(atm. oxygen detn. by gas sensor based on gold nanoparticle cysteine self-assembled monolayer on platinum disk electrode)

RN 52-90-4 CAPLUS

CN L-Cysteine (9CI) (CA INDEX NAME)

Absolute stereochemistry.



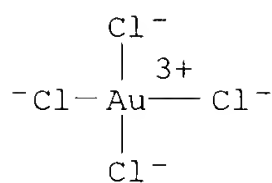
IT 16903-35-8, Gold hydrogen chloride (AuHCl4)

RL: RCT (Reactant); RACT (Reactant or reagent)

(atm. oxygen detn. by gas sensor based on gold nanoparticle cysteine self-assembled monolayer on platinum disk electrode)

RN 16903-35-8 CAPLUS

CN Aurate(1-), tetrachloro-, hydrogen, (SP-4-1)- (9CI) (CA INDEX NAME)



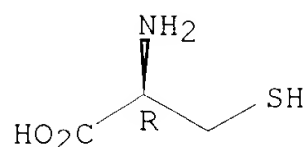
⊙ H⁺

REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

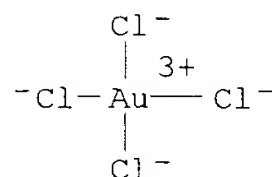
L13 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2000:861875 CAPLUS
 DOCUMENT NUMBER: 134:34356
 TITLE: Method for producing a cyanide-free solution of a gold compound that is suitable for galvanic gold baths
 INVENTOR(S): Hoffacker, Gerhard; Franz, Renate; Reitz, Ramona; Walter, Richard
 PATENT ASSIGNEE(S): W. C. Heraeus G.m.b.H. und Co. K.-G., Germany
 SOURCE: PCT Int. Appl., 12 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000073540	A1	20001207	WO 2000-EP4368	20000516
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1198623	A1	20020424	EP 2000-929531	20000516
EP 1198623	B1	20030319		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
JP 2003500550	T2	20030107	JP 2001-500023	20000516
AT 234949	E	20030415	AT 2000-929531	20000516
PRIORITY APPLN. INFO.:			DE 1999-19924895 A	19990601
			WO 2000-EP4368 W	20000516
AB	The invention relates to a method for producing a cyanide-free soln. of a Au compd. that is suitable for galvanic Au baths. The method comprises the following steps: (a) reacting a cysteine and/or a cysteinate with a tetrachloroauric acid and/or a tetrachloroauric salt in an aq. medium; (b) sepg. the resulting ppt. from the aq. medium; and (c) dissolving the obtained ppt. in a 2nd aq. medium, increasing the pH value to 12.0 to 14.0.			
IT	52-90-4DP , L-Cysteine, reaction products with tetrachloroauric acid, uses 16903-35-8DP , Tetrachloroauric acid, reaction products with cysteine or cysteinate RL: NUU (Other use, unclassified); PNU (Preparation, unclassified); PREP (Preparation); USES (Uses) (method for producing a cyanide-free soln. of a gold compd. that is suitable for galvanic gold baths)			
RN	52-90-4 CAPLUS			
CN	L-Cysteine (9CI) (CA INDEX NAME)			

Absolute stereochemistry.



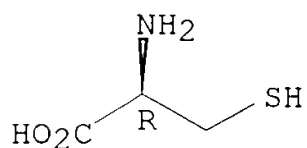
RN 16903-35-8 CAPLUS
CN Aurate(1-), tetrachloro-, hydrogen, (SP-4-1)- (9CI) (CA INDEX NAME)



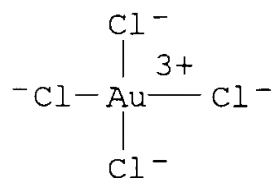
$\odot \text{H}^+$

IT **52-90-4**, L-Cysteine, reactions **16903-35-8**,
Tetrachloroauric acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(method for producing a cyanide-free soln. of a gold compd. that is
suitable for galvanic gold baths)
RN 52-90-4 CAPLUS
CN L-Cysteine (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 16903-35-8 CAPLUS
CN Aurate(1-), tetrachloro-, hydrogen, (SP-4-1)- (9CI) (CA INDEX NAME)



$\odot \text{H}^+$

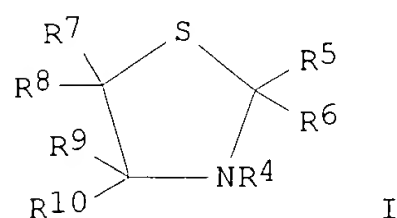
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1996:573995 CAPLUS
DOCUMENT NUMBER: 125:208337
TITLE: Silver halide photographic emulsion containing sulfur
and selenium or tellurium compounds to improve
speed/fog ratio
INVENTOR(S): Mifune, Hiroyuki; Morimura, Kimyasu; Sasaki, Hirotomo

PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08171167	A2	19960702	JP 1994-282066	19941116
US 5654134	A	19970805	US 1996-699186	19960819
PRIORITY APPLN. INFO.:			JP 1994-253755	19941019
			JP 1994-104065	19940518
			US 1995-439518	19950511

OTHER SOURCE(S): MARPAT 125:208337
 GI

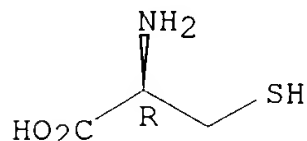


AB The photog. emulsion is chem. sensitized by a labile Se and/or labile Te compd. in presence of a sulfur compd. selected from (a) R1SM, (b) R2SSR3 and (c) I (R1 = aliph. or arom. group; M = H, cation; R2, R3 = aliph. or arom. group, R2 and R3 may be combined to form a ring; R4-10 = H, aliph. group, arom. group, COOR11; R11 = H, aliph. group; R5 and R6, R7-10 may be combined to form rings). Preferably, the chem. sensitization is conducted by gold and/or sulfur sensitizer in addn. to the chalcogenide compd. The emulsion has high sensitivity, particularly for the radiation of spectrally sensitized wavelength, and low fog, reduced failure from reciprocity law, and good developability.

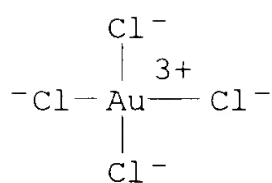
IT **52-90-4**, L-Cysteine, uses **16903-35-8**, Chloroauric acid
 RL: DEV (Device component use); USES (Uses)
 (Ag halide photog. emulsion contg. sulfur and selenium or tellurium compds. to improve speed/fog ratio)

RN 52-90-4 CAPLUS
 CN L-Cysteine (9CI) (CA INDEX NAME)

Absolute stereochemistry.

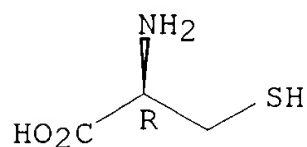


RN 16903-35-8 CAPLUS
 CN Aurate(1-), tetrachloro-, hydrogen, (SP-4-1)- (9CI) (CA INDEX NAME)

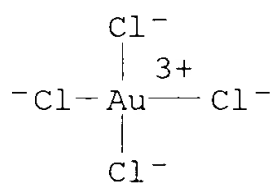


L13 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1996:486927 CAPLUS
 DOCUMENT NUMBER: 125:154179
 TITLE: Remarks on the effect of the reducing substances in photographic gelatins
 AUTHOR(S): Szucs, M.; Csaplaros, J.
 CORPORATE SOURCE: Spectra Ltd., Vac, Hung.
 SOURCE: Photographic Gelatin, Proceedings of the IAG Conference, 6th, Fribourg, Sept. 1993 (1994), Meeting Date 1993, 195-204. Editor(s): Ammann-Brass, Hans; Pouradier, Jacques. Internationale Arbeitsgemeinschaft fuer Photogelatine: Fribourg, Switz.
 CODEN: 63DEAM
 DOCUMENT TYPE: Conference
 LANGUAGE: English
 AB The reducing effect of the photog. gelatins originates from the methionine and sugar content. It results in a sensitivity increase. In the weakly acidic pH range the sensitizing action is created through the redn. of silver/methionine complex by the reducing sugars. This process may be catalyzed by the ferric ion content of gelatins. In a strongly alk. medium the glucose or/and galactose is able directly to reduce the silver chloride and bromide. However, the reducing power of the gelatin may contribute only in a small extent to the sensitivity gain in a sulfur + gold + redn. sensitization, therefore its practical role is moderate.
 IT **52-90-4**, Cysteine, processes
 RL: PEP (Physical, engineering or chemical process); PROC (Process) (additive effect of; effect of reducing substances in photog. gelatins)
 RN 52-90-4 CAPLUS
 CN L-Cysteine (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **16903-35-8**, Tetrachloroauric acid
 RL: NUU (Other use, unclassified); USES (Uses) (sensitizer; effect of reducing substances in photog. gelatins)
 RN 16903-35-8 CAPLUS
 CN Aurate(1-), tetrachloro-, hydrogen, (SP-4-1)- (9CI) (CA INDEX NAME)



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L13 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1990:95110 CAPLUS

DOCUMENT NUMBER: 112:95110

TITLE: Method and kit for reversibly staining immobilized and enzymically-labeled nucleic acids using sulfur-containing substrates and metals

INVENTOR(S): Lebacq, Philippe

PATENT ASSIGNEE(S): Bioprobe Systems, Fr.

SOURCE: Eur. Pat. Appl., 8 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 334756	A1	19890927	EP 1989-400801	19890321
EP 334756	B1	19920624		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FR 2629100	A1	19890929	FR 1988-3982	19880325
FR 2629100	B1	19930820		
FR 2680374	A1	19930219	FR 1989-3191	19890310
FR 2680374	B1	19931112		
AT 77654	E	19920715	AT 1989-400801	19890321
US 5073483	A	19911217	US 1989-328340	19890324
JP 02009400	A2	19900112	JP 1989-72017	19890327

PRIORITY APPLN. INFO.:

FR 1988-3982	19880325
FR 1989-3191	19890310
EP 1989-400801	19890321

AB A method and kit for reversibly staining a nucleic acid sequence immobilized on a solid support comprises: (1) using an enzyme system (e.g. contg. alk. phosphatase) which is (in)directly bonded to the nucleic acid sequence as nonradioactive label; (2) reacting the enzyme with a S-contg. org. substrate to form a thiol group-contg. product; and (3) reacting the product with a metal (e.g. Au) compd. which is sol. and stable in an aq. soln. to form a pptd. metal-S-contg. org. compd. complex at the site of the nucleic acid sequence. The complex can be further reacted with a compd. to accentuate the coloration and/or with a decoloration soln. contg. Na₂S₂O₃ and (NH₄)₂S₂O₃. A membrane-immobilized and alk. phosphatase-labeled nucleic acid was reacted with color developing soln. contg. pH 9.5 Tris-acetate 50, Mg acetate 10, cysteamine phosphate 5, and aurothioglucose 3 mM for 15 min - 2 h. HClO₄ or AgNO₃ was used to enhance the visualization, by changing the color from lemon yellow/gold yellow to chestnut brown. By this method, it is possible to detect 1 pg DNA in dot blot hybridization and visualize single genomic DNA sequence after Southern transfer.

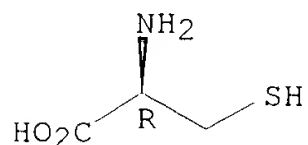
IT 52-90-4, Cysteine, biological studies

RL: RCT (Reactant); RACT (Reactant or reagent)

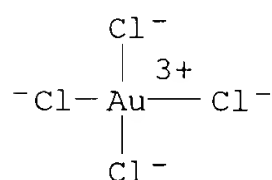
(formation and reaction of, with aurothioglucose in nucleic acid

staining)
 RN 52-90-4 CAPLUS
 CN L-Cysteine (9CI) (CA INDEX NAME)

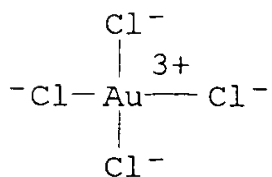
Absolute stereochemistry.

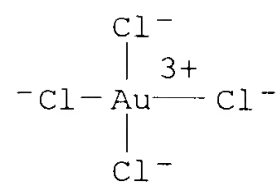


IT **16903-35-8**
 RL: ANST (Analytical study)
 (in immobilized nucleic acid staining)
 RN 16903-35-8 CAPLUS
 CN Aurate(1-), tetrachloro-, hydrogen, (SP-4-1)- (9CI) (CA INDEX NAME)



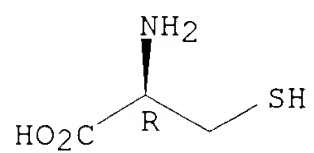
L13 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1963:85041 CAPLUS
 DOCUMENT NUMBER: 58:85041
 ORIGINAL REFERENCE NO.: 58:14615a-b
 TITLE: The therapeutic or preventive effect of some
 medicaments on nitroglycol-poisoned animals
 AUTHOR(S): Yoshikawa, Hiroshi; Ishii, Michiko
 SOURCE: Bull. Natl. Inst. Health (Kawasaki, Japan) (1962), No.
 7, 1-6
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB Mice were given daily intraperitoneal injections of an 8% soln. of
 nitroglycol in olive oil 30 min. after the subcutaneous injection of
 either vitamin C (I), cysteine, glutathione, CuSO₄, AgNO₃, or HAuCl₄ and
 survival times detd. CuSO₄ was the most effective and I gave slight
 protection.
 IT **16903-35-8**, Hydrogen tetrachloroaurate(III)
 (in protection against nitroglycol poisoning)
 RN 16903-35-8 CAPLUS
 CN Aurate(1-), tetrachloro-, hydrogen, (SP-4-1)- (9CI) (CA INDEX NAME)





IT **52-90-4**, Cysteine
 (in protection, against nitroglycol poisoning)
 RN 52-90-4 CAPLUS
 CN L-Cysteine (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L18 12 L17

36 L14
L19 12 L18 AND L14

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L19 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1998:768316 CAPLUS
DOCUMENT NUMBER: 130:69971
TITLE: Bath for displacement plating of gold
INVENTOR(S): Masaiki, Masashi; Takeuchi, Takao; Kobashi, Yasuto;
Kohata, Keigo; Mizumoto, Shozo; Nawafune, Hidemi
PATENT ASSIGNEE(S): Daiwa Kasei Kenkyusho K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10317157	A2	19981202	JP 1997-137957	19970514
PRIORITY APPLN. INFO.:			JP 1997-137957	19970514

OTHER SOURCE(S): MARPAT 130:69971

AB The bath contains (1) .gtoreq.1 Au source(s) selected from Au sulfite, Au chloride, Au thiosulfate, and Au complex or alkali metal or ammonium salts of Au compds. of YCH(SH)CHXCO₂H (I; X = H, NH₂, NHCOCH₃; Y = H, CO₂H; excluding X = Y = H); (2) .gtoreq.1 complexing agent(s) selected from alkali metal or ammonium salts of I; and (3) .gtoreq.1 complexing agent(s) for masking Ni selected from X₁RCO₂H (R = single bond, C₁-4 alkylene with optional substitution of 1 to half of its H with OH and/or CO₂H; X₁ = H, CO₂, CH₂OH), [X₂NY₁CH(B)]₂A, Y₁NZX₂ (X₂ = CH₂CO₂H, C₂H₄CO₂H; Y₁ = CH₂CO₂H, C₂H₄CO₂H, CH₂OH; Z = CH₂CO₂H, C₂H₄CO₂H, CH₂OH, H; A = single bond, CH(OH), CH₂N(CH₂CO₂H)CH₂; B = H or may form satd. 6-membered ring with methylene when A is a single bond) or their alkali metal or ammonium salts. Optionally, the bath contains stabilizing agents. The baths are cyan-free.

IT **61701-34-6, Aurocysteine 165456-41-7**

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(gold source; cyan-free baths for displacement plating of gold)

RN 61701-34-6 CAPLUS

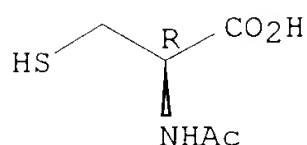
CN Aurate(1-), [L-cysteinato(2-)]-, hydrogen (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 165456-41-7 CAPLUS

CN L-Cysteine, N-acetyl-, monogold(1+) salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



○ Au (I)

L19 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1994:610980 CAPLUS
 DOCUMENT NUMBER: 121:210980
 TITLE: Catalytic electroless gold coating baths
 INVENTOR(S): Kroll, Harry H.; Chevalier, Jean
 PATENT ASSIGNEE(S): Technic Inc., USA
 SOURCE: U.S., 5 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5338343	A	19940816	US 1993-96558	19930723

PRIORITY APPLN. INFO.: US 1993-96558 19930723

AB The baths comprise a water-sol. org. thiol Au(I) complex, and alkali metal cyanide, an alkali metal hydroxide, a borohydride reducing agent, and optionally a stabilizing agent. The baths deposit Au on a Au surface several times faster than the conventional electroless Au-coating baths based on KAu(CN)₂. The use of the org. thiol Au(I) complex eliminates the buildup of inhibitory CN⁻ ions as a result of replenishment.

IT **61701-34-6**, Aurocysteine
 RL: TEM (Technical or engineered material use); USES (Uses)
 (catalytic electroless gold coating baths contg.)

RN 61701-34-6 CAPLUS

CN Aurate(1-), [L-cysteinato(2-)]-, hydrogen (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L19 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1993:501853 CAPLUS
 DOCUMENT NUMBER: 119:101853
 TITLE: Compositions and thiolates for forming precious metal films on substrates upon firing, and process for the formation of the films and thiolates
 INVENTOR(S): Bishop, Peter Trenton
 PATENT ASSIGNEE(S): Johnson Matthey PLC, UK
 SOURCE: Eur. Pat. Appl., 19 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 514073	A2	19921119	EP 1992-304080	19920506
EP 514073	A3	19930317		
EP 514073	B1	19950705		

R: AT, BE, DE, DK, ES, FR, GB, GR, IT, NL, PT, SE

US 5281635	A	19940125	US 1992-875412	19920429
ES 2073866	T3	19950816	ES 1992-304080	19920506
CZ 287025	B6	20000816	CZ 1992-1399	19920511
HU 61725	A2	19930301	HU 1992-1634	19920515
HU 215017	B	19980828		
JP 05163576	A2	19930629	JP 1992-123289	19920515
JP 3119390	B2	20001218		
PL 168425	B1	19960229	PL 1992-294563	19920515
RU 2127748	C1	19990320	RU 1992-5011810	19920515
CN 1066863	A	19921209	CN 1992-103903	19920516
CN 1032058	B	19960619		
US 5401535	A	19950328	US 1993-155827	19931123
US 5744245	A	19980428	US 1995-383219	19950203
US 6013798	A	20000111	US 1998-9126	19980120

PRIORITY APPLN. INFO.:

GB 1991-10757	A	19910517
GB 1991-15621	A	19910719
US 1992-875412	A3	19920429
CS 1992-1399	A	19920511
US 1993-155827	A3	19931123
US 1995-383219	A3	19950203

OTHER SOURCE(S):

MARPAT 119:101853

AB The compns. contain a polymeric resin and a 3-22-wt.% soln., in a water-solvent mixt., of a thiolate of .gtoreq.1 of Pt, Pd, Au, and Ag. Upon drying and heating these compns. on a substrate, the water evaps. to leave a soln. of the resin and thiolate in the solvent, then the solvent evaps. to leave a soln. of the thiolate in the resin, and then the thiolate decompns. to give the precious metal as the resin volatilizes. These compns. are esp. suitable for decorating glass and ceramic articles. A compn. consisting of polymethacrylic resin 10, N-(2-mercaptopropionyl)glycine gold(I) (prepn. presented) 18.5 (Au 10 wt. parts), 1,3-propane diol 15, water 40, Me2CHOH 15, N(Et)3 1, Rh complex 0.05, and Cr complex 0.05 gave a bright, adherent film.

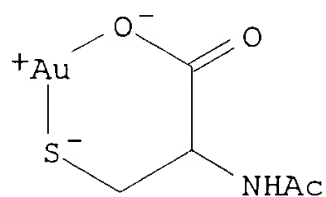
IT **95014-25-8 148537-29-5**

RL: USES (Uses)

(compns. contg. water and cosolvent and binder and, for decorative pattern formation ceramics and glass by firing)

RN 95014-25-8 CAPLUS

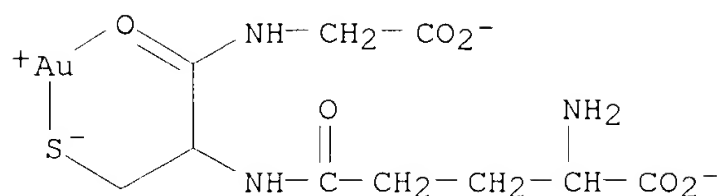
CN Aurate(1-), [N-acetyl-L-cysteinato(2-)-O1,S3]-, sodium (9CI) (CA INDEX NAME)



● Na⁺

RN 148537-29-5 CAPLUS

CN Aurate(2-), [N-(N-L-.gamma.-glutamyl-L-cysteiny)glycinato(3-)]-, dihydrogen (9CI) (CA INDEX NAME)



O₂ H⁺

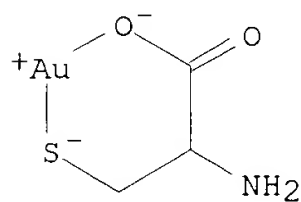
IT 148568-27-8

RL: USES (Uses)

(comps. contg. water and cosolvent and binder and, for decorative pattern formation on ceramics and glass by firing)

RN 148568-27-8 CAPLUS

CN Aurate(1-), [L-cysteinato(2-)-O,S]-, hydrogen (9CI) (CA INDEX NAME)



O H⁺

L19 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1984:400143 CAPLUS

DOCUMENT NUMBER: 101:143

TITLE: Bovine serum albumin-gold thiomalate complex: gold-197 Moessbauer, EXAFS and XANES, electrophoresis, sulfur-35 radiotracer, and fluorescent probe competition studies

AUTHOR(S): Shaw, C. Frank, III; Schaeffer, N. A.; Elder, R. C.; Eidsness, M. K.; Trooster, Jan M.; Calis, Gijs H. M.

CORPORATE SOURCE: Dep. Chem., Univ. Wisconsin, Milwaukee, WI, 53201, USA

SOURCE: Journal of the American Chemical Society (1984), 106(12), 3511-21

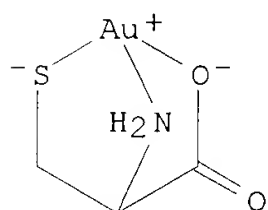
DOCUMENT TYPE: Journal

LANGUAGE: English

AB 197Au Moessbauer spectroscopy and XANES (x-ray absorption near edge spectroscopy) and EXAFS were applied to Au-protein complexes, and the coordination geometry and oxidn. state of Au in the albumin-Au thiomalato (I) [4846-27-9] complex was assigned unambiguously by the combination of both techniques. A no. of models for the strong- and weak-binding sites in the complexes formed between albumin and I were proposed and tested by a no. of std. protein chem. techniques. Au at the weak- and strong-binding sites is Au(I) coordinated by 2 S ligands. The weakly bound Au atoms will vary with the exptl. procedures employed to prep. the complex. The concn. of albumin in serum is 590 .mu.M, whereas Au during chrysotherapy (the Au-based treatment of rheumatoid arthritis) rarely exceeds 50 .mu.M, indicating that Au binds tightly to the cysteinyl-34 site.

IT 74921-06-5

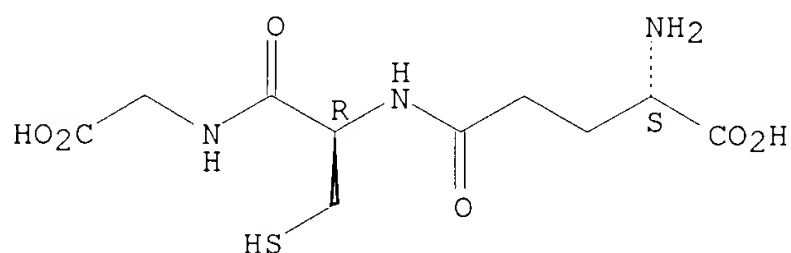
RL: PRP (Properties)
 (Moessbauer spectra of)
 RN 74921-06-5 CAPLUS
 CN Aurate(1-), [L-cysteinato(2-)-N,O,S]-, hydrogen (9CI) (CA INDEX NAME)



O H⁺

IT **89827-22-5P**
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and Moessbauer spectrum of)
 RN 89827-22-5 CAPLUS
 CN Glycine, N-(N-L-.gamma.-glutamyl-L-cysteinyl)-, monogold(1+) salt (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



O Au (I)

L19 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1983:528198 CAPLUS
 DOCUMENT NUMBER: 99:128198
 TITLE: Gold-197 Moessbauer studies of some gold(I) thiolates
 and their phosphine complexes including certain
 antiarthritic gold drugs
 AUTHOR(S): Hill, David T.; Sutton, Blaine M.; Isab, Anvar A.;
 Razi, M. Tahir; Sadler, Peter J.; Trooster, Jan M.;
 Calis, Gijs H. M.
 CORPORATE SOURCE: Dep. Med. Chem., Smith Kline and French Lab.,
 Philadelphia, PA, 19101, USA
 SOURCE: Inorganic Chemistry (1983), 22(20), 2936-42
 CODEN: INOCAJ; ISSN: 0020-1669
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Structural information on 11 gold(I) thiolates and 12 phosphine-
 coordinated gold(I) thiolates was collected by using 197Au Moessbauer
 spectroscopy. The compds. studied include the injectable antiarthritic
 drugs gold sodium thiomalate [12244-57-4], gold thioglucose
 [12192-57-3], gold sodium thiosulfate [10233-88-2], and the orally
 effective (phosphine)gold(I) thiolate auranofin [34031-32-8]. Isomer

shifts and quadrupole coupling consts. indicate that gold atoms in the 1:1 thiolates are S bonded and 2-coordinate. These compds. are polymeric in the solid state. This information complements previous soln. studies. The Moessbauer spectra of the (phosphine)gold complexes are characteristic and consistent with a monomeric linear SAuP linkage. The spectral parameters (isomer shift and quadrupole splitting) of the phosphine complexes are approx. 2 mm s⁻¹ larger than those of the comparable thiolates. The structural and biol. significance of these data are discussed.

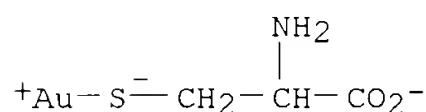
IT **65286-35-3**

RL: PRP (Properties)

(gold-197 Moessbauer spectroscopy of)

RN 65286-35-3 CAPLUS

CN Aurate(1-), [L-cysteinato(2-)-S]-, hydrogen (9CI) (CA INDEX NAME)



● H⁺

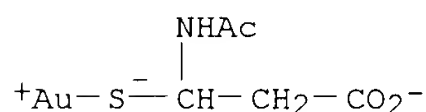
IT **86421-40-1P 86421-42-3P**

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. and gold-197 Moessbauer spectroscopy of)

RN 86421-40-1 CAPLUS

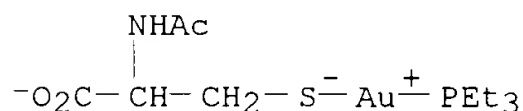
CN Aurate(1-), [N-acetyl-L-cysteinato(2-)-.kappa.S]-, sodium (9CI) (CA INDEX NAME)



● Na⁺

RN 86421-42-3 CAPLUS

CN Aurate(1-), [N-acetyl-L-cysteinato(2-)-S](triethylphosphine)-, hydrogen (9CI) (CA INDEX NAME)



● H⁺

L19 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

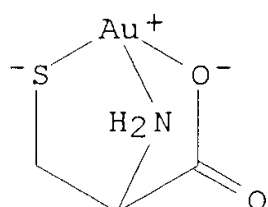
ACCESSION NUMBER: 1982:537697 CAPLUS

DOCUMENT NUMBER: 97:137697

TITLE: (L-Cysteinato)gold(I)

AUTHOR(S): Shaw, C. Frank, III; Schmitz, Gerard P.

CORPORATE SOURCE: Dep. Chem., Univ. Wisconsin, Milwaukee, WI, 53201, USA
 SOURCE: Inorganic Syntheses (1982), 21, 31-3
 CODEN: INSYA3; ISSN: 0073-8077
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The procedure is described for the prepn. of AuL (HL = L-cysteine) from
 KAuBr₄ and HL in the presence of HBr.
 IT **74921-06-5P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, from potassium tetrabromoaurate(1-) and cysteine in
 presence of hydrogen bromide)
 RN 74921-06-5 CAPLUS
 CN Aurate(1-), [L-cysteinato(2-)-N,O,S]-, hydrogen (9CI) (CA INDEX NAME)

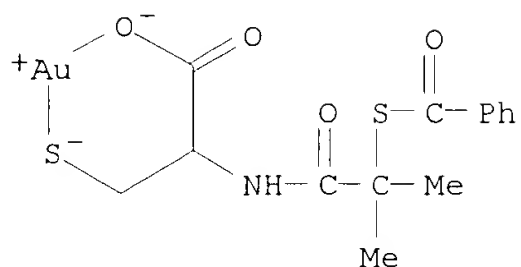


O H⁺

L19 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1981:551161 CAPLUS
 DOCUMENT NUMBER: 95:151161
 TITLE: S-Auro-N-(2-aurothio-2-methylpropanoyl)-L-cysteine
 PATENT ASSIGNEE(S): Santen Pharmaceutical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 2 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 56045487	A2	19810425	JP 1979-122357	19790922
JP 61047840	B4	19861021		

PRIORITY APPLN. INFO.: JP 1979-122357 19790922
 AB The title compd. (I), useful as anti-rheumatic remedy (no data), was
 prepd. Thus, 6.2 g Me₂C(SH)CO-L-Cys-OH was treated with 12.3 g AuCN in
 concd. aq. NH₃ for 1 h at room temp. to give 87% I, which was treated with
 0.2 N NaOH in EtOH to give 87% I Na salt.
 IT **79269-97-9P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (prepn. and debenzoylation of)
 RN 79269-97-9 CAPLUS
 CN Aurate(1-), [N-[2-(benzoylthio)-2-methyl-1-oxopropyl]-L-cysteinato(2-)-
 O1,S3]-, hydrogen (9CI) (CA INDEX NAME)



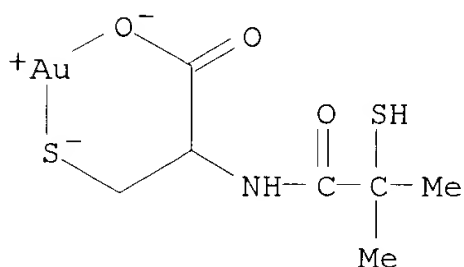
⊙ H⁺

IT 79269-98-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, with gold cyanide)

RN 79269-98-0 CAPLUS

CN Aurate(1-), [N-(2-mercapto-2-methyl-1-oxopropyl)-L-cysteinato(2-)-O1,S3]-, hydrogen (9CI) (CA INDEX NAME)



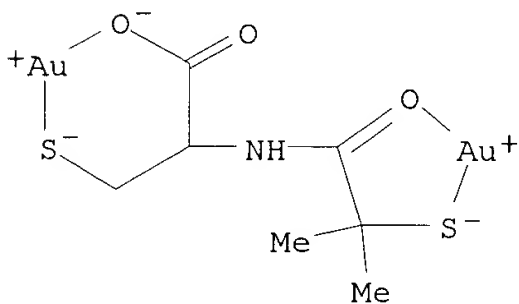
⊙ H⁺

IT 79270-16-9P 79299-66-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 79270-16-9 CAPLUS

CN Aurate(1-), [.mu.-[N-(2-mercapto-2-methyl-1-oxopropyl)-L-cysteinato(3-)-ON,SN:O1,S3]]di-, hydrogen (9CI) (CA INDEX NAME)

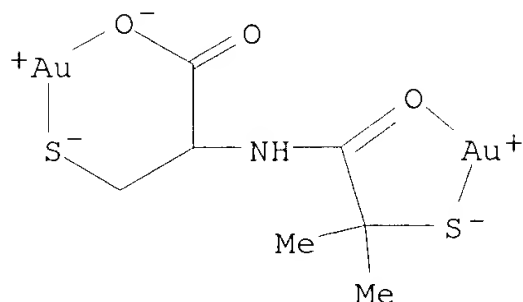


⊙ H⁺

RN 79299-66-4 CAPLUS

CN Aurate(1-), [.mu.-[N-(2-mercapto-2-methyl-1-oxopropyl)-L-cysteinato(3-)-

ON,SN:O1,S3]]di-, sodium (9CI) (CA INDEX NAME)



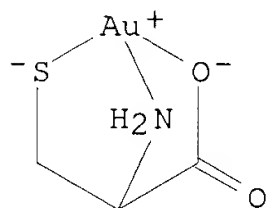
O Na⁺

IT 74921-06-5

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with isobutyryl chloride deriv.)

RN 74921-06-5 CAPLUS

CN Aurate(1-), [L-cysteinato(2-)-N,O,S]-, hydrogen (9CI) (CA INDEX NAME)



O H⁺

L19 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1980:542138 CAPLUS

DOCUMENT NUMBER: 93:142138

TITLE: Some complexes of thiomalate with bivalent transition metal ions and gold(I)

AUTHOR(S): Larkworthy, L. F.; Sattari, D.

CORPORATE SOURCE: Dep. Chem., Univ. Surrey, Guildford, GU2 5XH, UK

SOURCE: Journal of Inorganic and Nuclear Chemistry (1980), 42(4), 551-9

CODEN: JINCAO; ISSN: 0022-1902

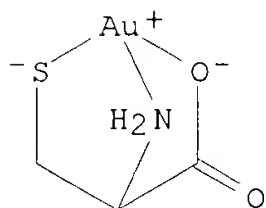
DOCUMENT TYPE: Journal

LANGUAGE: English

AB Thiomalic acid (LH3) complexes M₁[ML].nH₂O (M₁ = Li, Na, K; M = Co, Fe, Mn, Ni; n = 1-3), M(LH).nH₂O (M = Co, Fe, Mn; n = 2, 3), Ni(LH₂)₂.2H₂O, Au(LH₂), Na₂[AuL], Ca[AuL].2H₂O, and Ba[AuL].H₂O were prepd. and characterized by anal., electronic and IR spectroscopy, and magnetic property measurements. The bivalent ions are octahedrally coordinated and the thiomalate is triply ionized. Ni(LH₂)₂.2H₂O is monomeric but most of the other complexes are polymeric. Mn(LH).2H₂O and Fe(LH).3H₂O are antiferromagnetic and ferromagnetic, resp. Au(LH₂) reacted with cysteine and glutathione to release some of the thiomalic acid and form mixed ligand complexes. Further reaction with these amino acids and reaction with Et₂NCS₂Na released all the thiomalic acid.

IT 74921-06-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 74921-06-5 CAPLUS
CN Aurate(1-), [L-cysteinato(2-)-N,O,S]-, hydrogen (9CI) (CA INDEX NAME)



⊙ H⁺

L19 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1979:568131 CAPLUS
DOCUMENT NUMBER: 91:168131
TITLE: Bis(L-cysteinato)gold(I): chemical characterization
and identification in renal cortical cytoplasm
AUTHOR(S): Shaw, C. Frank, III; Schmitz, G.; Thompson, H. O.;
Witkiewicz, P.
CORPORATE SOURCE: Dep. Chem., Univ. Wisconsin, Milwaukee, WI, 53201, USA
SOURCE: Journal of Inorganic Biochemistry (1979), 10(4),
317-30
CODEN: JIBIDJ; ISSN: 0162-0134
DOCUMENT TYPE: Journal
LANGUAGE: English

AB L-Cysteinatogold(I) [61701-34-6] was synthesized by the
reaction of L-cysteine-HCl [52-89-1] with KAUBr₄ in acidic media and its
soly. was detd. from pH 4 to 10. The soly. at pH 7.4 and 37.degree. was 1
.mu.M. In the presence of excess cysteine, the soly. increased because of
the formation of bis(L-cysteinato)gold(I) [71547-19-8]. The
equil. const. for formation of the bis complex was 2.1 .times. 10⁻³, which
at pH 7.4 corresponds to an apparent formation const. of 4.4 .times. 10⁴.
The formation of the bis adduct was confirmed by chromatog. sepn. of the
products of the reaction between [35S]-L-cysteine and Na₂Au thiomalate
(Na₂AuTM) [16905-00-3]. This complex elutes with K_{av} = 1.15 which allows
it to be distinguished from other Au thiolates that might form in vivo.
The bis(cysteinato)gold(I) complex was in kidney cytosol isolated from
rats given Na₂AuTM in vivo. When addnl. cysteine was added to the cytosol
in vitro, the peak at 1.15 increased, but if glutathione was added, the
low mol. wt. Au eluted at K_{av} = 1.00, which was taken as evidence for the
existence of bis(cysteinato)gold(I) in the cytosol prepn. The amt. of Au
present as bis(cysteinato)gold(I) after 4 different dose schedules was
measured and found to increase with the total cytosol Au concn.
L-Cysteinatogold(I) did not dissolve in the presence of bovine serum
albumin to form an adduct.

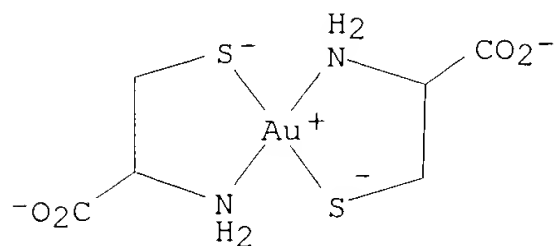
IT **61701-34-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 61701-34-6 CAPLUS
CN Aurate(1-), [L-cysteinato(2-)]-, hydrogen (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

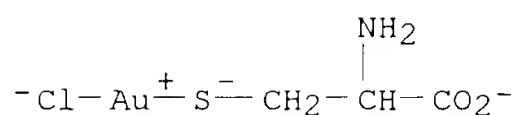
IT **71547-19-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, gold sodium thiomalate metabolite of kidney in relation to)

RN 71547-19-8 CAPLUS
CN Aurate(3-), bis[L-cysteinato(2-)-N,S]-, trihydrogen (9CI) (CA INDEX NAME)



⊖3 H⁺

L19 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1978:435652 CAPLUS
DOCUMENT NUMBER: 89:35652
TITLE: Gold complexes of L-cysteine and D-penicillamine
AUTHOR(S): Brown, Donald H.; McKinley, Gordon C.; Smith, W. Ewen
CORPORATE SOURCE: Dep. Pure Appl. Chem., Univ. Strathclyde, Glasgow, UK
SOURCE: Journal of the Chemical Society, Dalton Transactions:
Inorganic Chemistry (1972-1999) (1978), (3), 199-201
CODEN: JCDTBI; ISSN: 0300-9246
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Seven Au(I) and Au(III) complexes of L-cysteine and D-penicillamine were
prepd. from Au(0), -(I), and -(III) salts. In the presence of Cl⁻ ions,
L-cysteine formed Au(I) complexes and D-penicillamine formed Au(III)
complexes. In the presence of PPh₃, only Au(I) complexes were obtained.
UV-visible and Cotton effect spectra of the complexes were detd.
IT **61701-34-6P 69121-29-5P 69121-30-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 61701-34-6 CAPLUS
CN Aurate(1-), [L-cysteinato(2-)]-, hydrogen (9CI) (CA INDEX NAME)
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 69121-29-5 CAPLUS
CN Aurate(2-), chloro[L-cysteinato(2-)-S]-, sodium hydrogen, trihydrate (9CI)
(CA INDEX NAME)



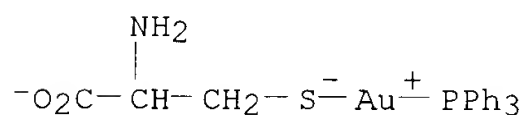
○ H⁺

○ Na⁺

○₃ H₂O

RN 69121-30-8 CAPLUS

CN Aurate(1-), [L-cysteinato(2-)-S](triphenylphosphine)-, hydrogen, dihydrochloride (9CI) (CA INDEX NAME)



○₂ HCl

○ H⁺

L19 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1978:43288 CAPLUS

DOCUMENT NUMBER: 88:43288

TITLE: Electronic and circular dichroism spectra of gold(I) complexes having sulfur- and phosphorus-containing ligands

AUTHOR(S): Brown, Donald H.; McKinlay, Gordon; Smith, W. Ewen

CORPORATE SOURCE: Dep. Pure Appl. Chem., Univ. Strathclyde, Glasgow, UK

SOURCE: Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry (1972-1999) (1977), (19), 1874-9
CODEN: JCDTBI; ISSN: 0300-9246

DOCUMENT TYPE: Journal

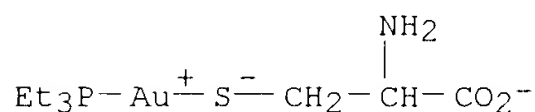
LANGUAGE: English

AB Electronic and CD spectra were studied of AuX(PR₃) (R = Ph, Et; X = Cl, L-cysteinate, D-penicillamate, thiomalate) and of Au(I) complexes with the S ligands alone. At 33,000-50,000 cm⁻¹ the spectra are complex and dominated by transitions arising from MOs located mainly on the PR₃ and Au moieties. At lower energies, spectra due to S to Au transitions are obsd. which form a consistent pattern characteristic of this type of bond. These studies are of interest in relation to the therapeutic activity of linear Au(I) complexes with soft ligands.

IT 14243-49-3 65286-35-3 65705-25-1

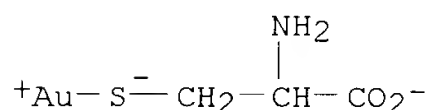
RL: PRP (Properties)

(CD and UV spectra of)
 RN 14243-49-3 CAPLUS
 CN Aurate(1-), [L-cysteinato(2-)-.kappa.S](triethylphosphine)-, hydrogen
 (9CI) (CA INDEX NAME)



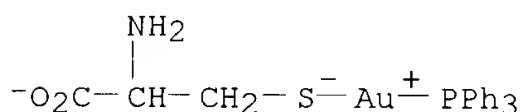
⊙ H⁺

RN 65286-35-3 CAPLUS
 CN Aurate(1-), [L-cysteinato(2-)-S]-, hydrogen (9CI) (CA INDEX NAME)



⊙ H⁺

RN 65705-25-1 CAPLUS
 CN Aurate(1-), [L-cysteinato(2-)-S](triphenylphosphine)-, hydrogen (9CI) (CA INDEX NAME)



⊙ H⁺

L19 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1977:100779 CAPLUS
 DOCUMENT NUMBER: 86:100779
 TITLE: The interaction of aurothiomalate and cysteine
 AUTHOR(S): Danpure, Christopher J.
 CORPORATE SOURCE: Clin. Res. Cent., Med. Res. Counc., Harrow, UK
 SOURCE: Biochemical Pharmacology (1976), 25(21), 2343-6
 CODEN: BCPA6; ISSN: 0006-2952
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Na aurothiomalate (I) [12244-57-4] (10-2M) and cysteine-HCl [52-89-1] (10-2M) reacted to produce an insol. complex of aurocysteine [61701-34-6]. The ppt. of aurocysteine decreased on addn. of excess I and formation of the complex was pH-dependent, the rate of formation falling as the pH was raised above 5. The reaction was blocked by alkylation of the SH group of cysteine but organomercurials had no effect on complex formation. The reaction of I with cysteine appears to be analogous to the reaction between I and human serum albumin.
 IT 61701-34-6

RL: FORM (Formation, nonpreparative)
 (formation of, aurothiomalate pharmacol. in relation to)
RN 61701-34-6 CAPLUS
CN Aurate(1-), [L-cysteinato(2-)]-, hydrogen (9CI) (CA INDEX NAME)

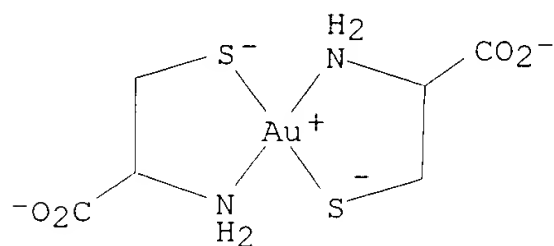
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

=>

> s C6 H10 Au N2 O4 S2 . 3 H/mf
L15 1 C6 H10 AU N2 O4 S2 . 3 H/MF

=> d

L15 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 71547-19-8 REGISTRY
CN Aurate(3-), bis[L-cysteinato(2-)-N,S]-, trihydrogen (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN L-Cysteine, gold complex
MF **C6 H10 Au N2 O4 S2 . 3 H**
CI CCS
LC STN Files: CA, CAPLUS



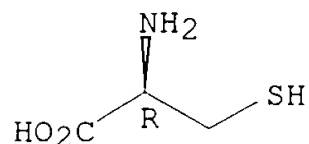
● 3 H⁺

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

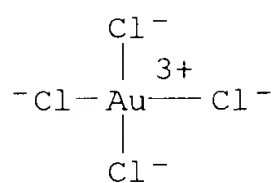
ACCESSION NUMBER: 2000:861875 CAPLUS
 DOCUMENT NUMBER: 134:34356
 TITLE: Method for producing a cyanide-free solution of a gold compound that is suitable for galvanic gold baths
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 PATENT ASSIGNEE(S): W. C. Heraeus G.m.b.H. und Co. K.-G., Germany
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WO 2000073540	A1	20001207	WO 2000-EP4368	20000516
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RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1198623	A1	20020424	EP 2000-929531	20000516
EP 1198623	B1	20030319		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
JP 2003500550	T2	20030107	JP 2001-500023	20000516
AT 234949	E	20030415	AT 2000-929531	20000516
PRIORITY APPLN. INFO.: DE 1999-19924895 A 19990601				
WO 2000-EP4368 W 20000516				
AB	The invention relates to a method for producing a cyanide-free soln. of a Au compd. that is suitable for galvanic Au baths. The method comprises the following steps: (a) reacting a cysteine and/or a cysteinate with a tetrachloroauric acid and/or a tetrachloroauric salt in an aq. medium; (b) sepg. the resulting ppt. from the aq. medium; and (c) dissolving the obtained ppt. in a 2nd aq. medium, increasing the pH value to 12.0 to 14.0.			
IT	52-90-4DP , L-Cysteine, reaction products with tetrachloroauric acid, uses 16903-35-8DP , Tetrachloroauric acid, reaction products with cysteine or cysteinate			
	RL: NUU (Other use, unclassified); PNU (Preparation, unclassified); PREP (Preparation); USES (Uses)			
	(method for producing a cyanide-free soln. of a gold compd. that is suitable for galvanic gold baths)			
RN	52-90-4 CAPLUS			
CN	L-Cysteine (9CI) (CA INDEX NAME)			

Absolute stereochemistry.



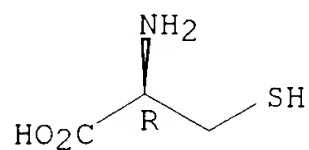
RN 16903-35-8 CAPLUS
 CN Aurate(1-), tetrachloro-, hydrogen, (SP-4-1)- (9CI) (CA INDEX NAME)



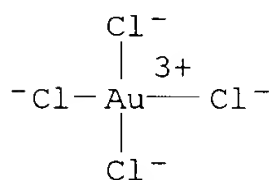
O H⁺

IT 52-90-4, L-Cysteine, reactions 16903-35-8,
Tetrachloroauric acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(method for producing a cyanide-free soln. of a gold compd. that is
suitable for galvanic gold baths)
RN 52-90-4 CAPLUS
CN L-Cysteine (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 16903-35-8 CAPLUS
CN Aurate(1-), tetrachloro-, hydrogen, (SP-4-1)- (9CI) (CA INDEX NAME)



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REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT